

CSP-2017-1 NH - NH BF AG Lands_Pasture

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The water erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. No litter dams or terracettes are present.

Evaluation Test Met

Yes ☐ No ☐

Wind Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The wind erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plant cover controls active erosion (gullies <1 foot deep).

Evaluation Test Met

Yes ☐ No ☐

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Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site.
Assessment level: Bank erosion is beyond the client's control or commensurate with normal geomorphological processes, AND PCS - streambank/shoreline erosion element score is ≥ 4 .

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

All stream and channel banks, pond and other shorelines are stable.

Yes ☐ No ☐

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Yes ☐ No ☐

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Soil Quality Degradation

Organic Matter Depletion

Planning Criteria

Screening level: Permanent ground cover > 80%. Assessment level:
The SCI is > 0, OR the PCS - plant cover element score is >= 4 AND
the PCS - plant residue element score is >= 4.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plants are perennial, adapted to the site, productive and healthy.

Evaluation Test Met

Yes ☐ No ☐

Compaction

Planning Criteria

Screening level: Soil compaction is not a problem AND activities do
not cause soil compaction problems. Assessment level: The PCS -
compaction element score is >= 4.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Soils are not compacted past a point that limits plant root depth and
growth.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 NH - NH BF AG Lands_Pasture**Insufficient Water****Inefficient Moisture Management****Planning Criteria**

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems.
Assessment level: The PCS - compaction element score is ≥ 4 AND the PCS - plant cover element score is ≥ 4 .

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Predominate plants are adapted to the site, usual rain fall, and are useful as intended.

Evaluation Test Met

Yes ☐ No ☐

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Water Quality Degradation

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND grazed PLU is not adjacent to streams, ponds, or lakes AND there are no confined livestock areas. Assessment level: The PCS - streambank/shoreline erosion element score is ≥ 4 AND the PCS - livestock concentration areas element score is ≥ 4 , OR Nutrients are applied and based on a soil test, tissue test or nutrient budget.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

If nutrients are applied, they do not degrade surface/ground water quality. Water use is not limited.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

Nutrients in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND grazed PLU is not adjacent to streams, ponds, or lakes AND there are no confined livestock areas. Assessment level: The PCS - streambank/shoreline erosion element score is ≥ 4 AND the PCS - livestock concentration areas element score is ≥ 4 , OR Nutrients are applied and based on a soil test, tissue test or nutrient budget.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

If nutrients are applied, they do not degrade surface/ground water quality. Water use is not limited.

Yes ☐ No ☐

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Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Manure, compost, or biosolids are applied per their test report. Grazing management optimizes applied products.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

Excessive Sediment in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: Upslope treatment and buffer practices address concentrated flows to water bodies AND the SVAP2 - bank condition ≥ 5 AND the livestock and vehicle water crossings are stable AND The water erosion rate is $\leq T$ AND wind erosion rate is $\leq T$.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Plant cover controls active erosion (shallow <1 foot deep rills/gullies) and runoff from normal rain events. No litter dams are present.

Yes ☐ No ☐

CSP-2017-1 NH - NH BF AG Lands_Pasture**Air Quality Impacts****Emission of Greenhouse Gases (GHGs)****Planning Criteria**

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emissions are managed to meet client objectives.

Planning Criteria MetYes ☐ No ☐**Evaluation Tests**

Forage Supply and Demand Balance is achieved.

Evaluation Test MetYes ☐ No ☐

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Degraded Plant Condition

Undesirable Plant Productivity and Health

Planning Criteria

Assessment level: The PCS is 30 or above. Plants are adapted to the site, meet production goals and do not negatively impact other resources.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plants are perennial, adapted to the site, productive and healthy.

Evaluation Test Met

Yes ☐ No ☐

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure.
Assessment level: The PCS - insect and disease pressure element score is ≥ 4 AND the PCS - site adaptation element score is ≥ 4 .

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plant growth and cover is managed as to inhibit pest plant introduction.

Evaluation Test Met

Yes ☐ No ☐

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Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The plant cover provides cover and shelter for the chosen wildlife species.

Evaluation Test Met

Yes ☐ No ☐

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Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

Plant cover provides space for wildlife species.

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐

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Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, livestock forage, roughage and supplemental nutritional requirements addressed.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

The existing feed/forage quantity/quality meet the livestock needs and goals.

Yes ☐ No ☐

Inadequate Water

Planning Criteria

Planning Criteria Met

Assessment level: When the land use has a "grazed" modifier, water of acceptable quality and quantity adequately distributed to meet animal needs.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

The livestock have enough drinking water of good quality.

Yes ☐ No ☐

CSP-2017-1 NH - NH BF AG Lands_Pasture**Inefficient Energy Use****Farming/Ranching Practices and Field Operations****Planning Criteria****Planning Criteria Met**

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐**Evaluation Tests****Evaluation Test Met**

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes ☐ No ☐